

L1 ANSWER 1 OF 1

GENBANK.RTM. COPYRIGHT 2003

LOCUS (LOC): BC006323 GenBank (R)
GenBank ACC. NO. (GBN): **BC006323**
GenBank VERSION (VER): BC006323.1 GI:13623446
CAS REGISTRY NO. (RN): 331696-07-2
SEQUENCE LENGTH (SQL): 2369
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Primates
DATE (DATE): 12 Jul 2001
DEFINITION (DEF): Homo sapiens, ATP-binding cassette, sub-family B
(MDR/TAP), member 7, clone MGC:12887 IMAGE:4138236,
mRNA, complete cds.
SOURCE: human.
ORGANISM (ORGN): Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Primates;
Catarrhini;
Hominidae; Homo

NUCLEIC ACID COUNT (NA): 701 a 465 c 572 g 631 t

COMMENT:

Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (NISC),
Gaithersburg, Maryland;
Web site: <http://www.nisc.nih.gov/>
Contact: nisc_mgc@nhgri.nih.gov
Shevchenko, Y., Wetherby, K.D., Beckstrom-Sternberg, S.M.,
Benjamin, B., Blakesley, R.W., Bouffard, G.G., Brinkley, C., Brooks, S.,
Dietrich, N.L., Guan, X., Gupta, J., Ho, S.-L., Karlins, E., Legaspi, R.,
Lim, M., Maduro, Q.L., Masiello, C., Mastrian, S.D., McCloskey, J.C.,
McDowell, J., Pearson, R., Snyder, B., Stantripop, S., Thomas, P.J.,
Tiongson, E.E., Touchman, J.W., Tsurgeon, C., Vogt, J.L., Walker, M.A.,
Zhang, L.-H. and Green, E.D.
Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAL Plate: 17 Row: k Column: 11

This clone was selected for full length sequencing because it
passed the following selection criteria: Hexamer frequency ORF
analysis, Similarity but not identity to protein.

REFERENCE: 1 (bases 1 to 2369)
AUTHOR (AU): Strausberg, R.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (09-APR-2001) National Institutes of Health,
Mammalian Gene Collection (MGC), Cancer Genomics
Office, National Cancer Institute, 31 Center Drive,
Room 11A03, Bethesda, MD 20892-2590, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..2369	/organism="Homo sapiens" /db-xref="LocusID:22" /db-xref="taxon:9606" /clone="MGC:12887 IMAGE:4138236"

CDS

11..2272

/tissue-type="Muscle,
rhabdomyosarcoma"
/clone-lib="NIH-MGC-17"
/lab-host="DH10B-R"
/note="Vector: pOTB7"
/codon-start=1
/product="ATP-binding cassette,
sub-family B (MDR/TAP), member 7"
/protein-id="AAH06323.1"
/db-xref="GI:13623447"
/translation="MALLAMHSWRAAAAAAFEK
RRHSAILIRPLVSVSGSGPQWRPH
QLGALGTTARAYQQIPESLKSITWQRLGKGNSQF
LDAAKALQVWPLIEKRTCWHGHAG
GGLHTDPKEGLKDVTDRKIIKAMLSYVWPKDRPD
LRARVAISLGFLGGAKAMNIVVPF
MFKYAVDSDLNQMSGNMLNSDAPNTVATMATAVL
IGYGVSRAGAAFFNEVRNAVFGKV
AQNSIRRIAKNVFLHLHNLDLGFHLSRQTGALSK
AIDRGTRGISFVLSALVFNLPPIM
FEVMLVSGVLYYKCGAQFALVTLGTLGTYTAFTV
AVTRWRTRFRIEMNKADNDAGNAA
IDSLLNYETVKYFNNERYEAQRYDGFLKTYETAS
LKSTSTLAMLNFGQSAIFSVGLTA
IMVLASQGIVAGTLTVGDLVMVNGLLFQLSLPLN
FLGTVYRETRQALIDMNTLFTLLK
VDTQIKDKVMASPLQITPQTATVAFDNVHFYEIE
GQKVLSGISFEVPGKKVAIVGGS
GSGKSTIVRLLFRFYEPQKGSIYLAGQNIQDVSL
ESLRAVGVPQDAVLFHNTIYYN
LLYGNISASPEEVYAVAKLAGLHDAILRMPHGYD
TQVGERGLKLSGGEKQRVAIARAI
LKDPPVILYDEATSSLDSITEETILGAMKDVVKH
RTSIFIAHRLSTVVDADEIFVLDQ
GKVAERGTHGILLANPHSIYSEMWTQSSRVQNH
DNPKWEAKKENISKEERKKLQEE
IVNSVKGCGNCSC"

SEQUENCE (SEQ) :

1 ggcacgaggg atggcgctgc tcgcgatgca ttcttggcgc tggcgcccg cggcgctgc
61 tttcgaaaag cgccggcact cccgcattct gatccggcct ttagtctctg ttagcggtc
121 aggtccgcag tggaggccac atcaactcgg cgccttggg accgctcgag cctaccagca
181 gattccagag tcattaaaaa gtatcacatg gcagagattg gaaaaaggca attcaggaca
241 gttcttagat gctgcaaagg ctctccaggat atggccactg atagaaaaaga ggacatgttg
301 gcatggtcat gcaggaggag gactcccacac agacccaaaa gaagggttaa aagatgtga
361 tactcgaaaa atcataaaag caatgcttc ttatgtgtgg cccaaagaca ggccagatct
421 acgagctaga gttgccattt cgctggatt tttgggtggt gcaaaggcca tgaatattgt
481 gttcccttc atgtttaaat atgctgtaga cagcctcaac cagatgtcgg gaaacatgct
541 gaacctgagt gatgcaccaa atacagttgc aaccatggca acagcagttc tgattggcta
601 tggtgtatca agagctggag ctgcttttt taacgaagtt ccaaattgcag tatttggcaa
661 ggtagcccag aattcaatcc gaagaatagc caaaaatgtc tttctccatc ttcacaacct
721 ggtatctgggt tttcacctga gcagacagac gggagctta tctaaggcta ttgacagagg
781 aacaaggggat atcaggtttgc tcctgagtgc tttggtattt aatcttcttc ccatcatgtt
841 tgaagtgtatc cttgtcagtg gtgtttgtt ttacaaaatgc ggtgcccagt ttgctttgg
901 aacccttggaa acacttggta catacacagc attcacagtt gcagtcacac ggtggagaac
961 tagatttaga atagaaatga acaaaggcaga taatgtatgca ggtaatgtcg ctatagactc
1021 actgctgaat tatgaaactg tgaagtattt taataatgaa agatatgaag cacagagata
1081 ttagtggattt ttgaagacgt atgagactgc ttcatggaaa agtacctcta ctctggctat
1141 gctgaacttt ggtcaaaatgtt cttatggatc tttgtggatc acagctataa tggtgctcgc
1201 cagtcaaggaa attgtggcag gtacccttac tttgtggatc ctatgtatgg tgaatggact

1261 gcttttcag ctccattac ccctgaactt tctggaaact gtataatagag agactagaca
1321 agcactcata gatatgaaca ccttgtttac tctactcaag gtagacaccc aaattaaaga
1381 caaagtgtat gcatctcccc ttccagatcac accacagaca gctaccgtgg ccttgataa
1441 tgcgtatccc gaatacattt agggccagaa agtccttagt ggaatatctt ttgaagtccc
1501 tgcaggaaag aaagtggcca ttgttaggagg tagtgggtca gggaaaagca caatagttag
1561 gctattattt cgcttctatg agcctcaaaa gggtagcatt tatcttgctg gtcaaaatat
1621 acaagatgtg agcctggaaa gccttcggag ggcagtggga gtggtagccctc aggatgtgt
1681 cctcttccat aatactattt attacaacctt ctttatatggaa aacatcagtg cttcacctgaa
1741 ggaagtgtat gcagtggcaa aatttagctgg acttcatgat gcaattctt gaatgccaca
1801 tggatatgac acccaagtag gggAACGAGG actcaagctt tcaggaggag aaaagcaaag
1861 agtagcaattt gcaagagcca ttttgaagga ccccccagtc atactctatg atgaagctac
1921 ttcatcgtaa gattcgatattt ctgaagagac tattttgggt gccatgaagg atgtggtaa
1981 acacagaact tctattttca ttgcacacacg attgtcaaca gtgggtatg cagatgaaat
2041 cattgtcttgc gatcagggtt aggttagccga acgtggtacc caccatggtt tgcttgctaa
2101 ccctcatatgtt atcttatttcg aaatgtggca tacacagagc agccgtgtgc agaaccatgaa
2161 taaccccaa tgggaagcaa agaaagaaaa tatatccaaa gaggaggaaa gaaagaaaact
2221 acaagaagaa attgtcaata gtgtgaaagg ctgtggaaac tggtcgatc aagtacacata
2281 agacattttc tttttttgtt gttttggact acatatttcg actgaagcag aattgtttta
2341 taaaaaaaaat catacattcc caaaaaaaaaa

=>